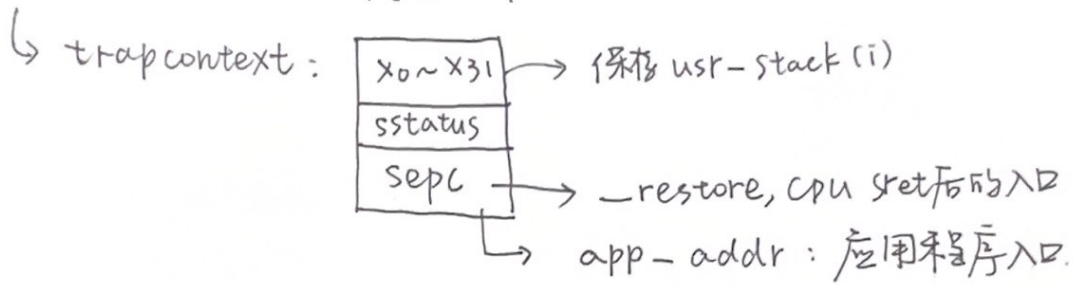
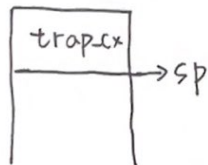


init-app-cx: 构造 trapcontext



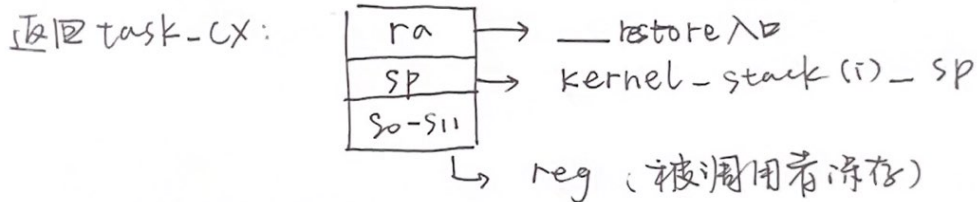
init-trap-context 压栈: → 返回 kernel-stack sp

free kernel-stack (i)



$$2^{2023} = 2^{10 \times 200 + 23} = 2^{202} \times 10^{23}$$

Taskcontext:: goto-restore



run-first-app:

→ task[0]: status → running

cur-task-ptr == next-task-ptr

_switch (unused-ptr, next-task-ptr)

① data ⇒ unused

② CPU → ra → restore
(S → U)

恢复 usr-stack (i): trap-cx
恢复 sp
恢复 sscratch
sret: 返回 → 应用入口